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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Yoshio UMEZAWA et al. : Attn: BOX PCT
Serial No. NEW : Docket No. 2002_0324A
Filed March 4, 2002 :

cGMP-VISUALIZING PROBE AND A METHOD
OF DETECTION AND QUANTIFICATION OF
cGMP BY USING THE SAME
[Corresponding to PCT/JP01/05631
Filed June 29, 2001]

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents,
Washington, DC 20231

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in international application no. PCT/JP01/05631.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☒ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☐ the concise explanation contained in the specification of the present application at page,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Yoshio UMEZAWA et al.

By Warren M. Cheek, Jr.
Warren M. Cheek, Jr.
Registration No. 33,367
Attorney for Applicants

WMC/dlk
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
March 4, 2002

JG Rec'd PCT/PTO 04 MAR 2002

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
2002_0324ASERIAL NO.
NEW

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LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)APPLICANT
Yoshio UMEZAWA et al.

Date Submitted to PTO: March 4, 2002

FILING DATE
March 4, 2002

GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,998,204	12/1999				
	AB						
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AG						
	AH						
	AI						
	AJ						
	AK						

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	Norbert WILD et al., "Expression of a chimeric cGMP-sensitive regulatory subunit of the cAMP-dependent protein kinase type I α ", FEBS Letters, 374, 1995, pp. 356-362.
	AM	Kazuhiko SEYA et al., "A Fluorometric Assay for Cyclic Guanosine 3', 5'-Monophosphate Incorporating a Sep-Pak Cartridge and Enzymatic Cycling", Analytical Biochemistry, 272, 1999, pp. 243-249.
	AN	Moritoshi SATO et al., "Fluorescent Indicators for Cyclic GMP Based on Cyclic GMP-Dependent Protein Kinase I α and Green Fluorescent Proteins", Analytical Chemistry, December 15, 2000, 72, pp. 5918-5924.
	AO	Akira HONDA et al., "Spatiotemporal dynamics of guanosine 3', 5'-cyclic monophosphate revealed by a genetically encoded, fluorescent indicator", PNAS, February 27, 2001, 98, pp. 2437-2442.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.